

66. **(Amended)** A single chain MHC class II-peptide complex comprising:  
a peptide-binding groove;  
covalently linked in sequence: 1) a class II  $\beta$  chain, 2) a single chain linker, and 3) a class II  $\alpha$  chain, wherein the chain of 1) or 3) or both 1) and 3) lack a functional transmembrane domain and the chain of 1) or 3) or both 1) and 3) are truncated compared to its respective full length chain; and  
a presenting peptide being covalently linked to the MHC molecule.
67. **(Amended)** The MHC complex of claim 66, wherein the complex is soluble.
68. **(Amended)** The MHC complex of claim 66, wherein the chains of 1) and 3) comprise a  $\beta 1$  domain and  $\alpha$  domain, respectively.
69. **(Amended)** The MHC complex of claim 66, wherein the MHC class II molecule comprises the presenting peptide covalently linked to the  $\beta$  chain.
71. **(Amended)** The MHC complex of claim 66, wherein a presenting peptide linker sequence is interposed between the presenting peptide and the MHC molecule.
72. **(Amended)** The MHC complex of claim 66, wherein the  $\beta$  and  $\alpha$  chains are each independently selected from the group consisting of IE, IA, DR, DQ and DP proteins.
73. **(Amended)** The MHC complex of claim 66, wherein the MHC molecule is modified to carry a detectable tag.
74. **(Amended)** A multivalent MHC complex comprising two or more linked MHC molecules of claim 66.

75. **(Amended)** The MHC complex of claim 74, wherein the MHC molecules are linked to immunoglobulin domains.

76. **(Amended)** The MHC complex of claim 74, wherein the MHC complex is modified to carry a detectable tag.